AUTHOR INDEX

AGNEW, SIR ANDREW, A Message, 1
AULD, S. J. M., Some American Thoughts on To-morrow's Oil, 97

BAILEY, T. C., Fuel Oil in the Steel Industry, 269
BARRY, H. E., Taxation of Light Hydrocarbon Oils other than Motor Fuel, 316
BISKE, V., Acid Sludge Disposal, 175
BLACK, J. L., Isomerization, 323
BRESSEY, R. J. *See* HUDSON, N. L.
BREWER, C. D., The Engine Testing of Lubricants, 3
BROWN, N. F., Evaluation of Factors Governing the Choice of Production Equipment, 320
BRUMMAGE, K. G., COOKE, P. W., and GORDON, R. R., New Physical Methods in the Petroleum Industry, 33, 65

CADMAN, W. H., Oil Shale Exploration for the Production of Oil, 365
CAWLEY, C. M., Eleventh International Congress of Pure and Applied Chemistry, 263
CHISHOLM, A. H. T., Public Relations and the Petroleum Industry, 156
COOKE, P. W. *See* BRUMMAGE, K. G.
CRAXFORD, S. R., Recent Developments in the Fischer-Tropsch Process, 186

EGLOFF, G., Petroleum as a Chemical Industry, 16, 54

FELLOWES, W. H., Taxation of the Profits of the Oil Industry, 109

GALL, D., The Characteristics of Fischer-Tropsch Waxes, 336
GARNER, F. H., The I.P. Review, 1
GIBSON, H. S., Natural Gas from the Middle East, 386
GORDON, R. R. *See* BRUMMAGE, K. G.

HARFORD, L. W., The German Oil Industry, 147, 181
HOPE, A. E., Developments in Automotive Lubricants, 166
HUDSON, N. L. and BRESSEY, R. J., Fuel Oil Developments in the U.K., 161
HUMPHREYS, H. S., Recent Developments in Marine Propulsion, 49
HUNT, K. C., Lubrication and the Motor Car, 84

IVANOVSZKY, L., A B.I.O.S. Trip to Germany, 1946, 77

JACKSON, J. S., Is Standardization Being Overdone? 313

MACLEAN, A. D., Electrical Practice in the Oil Industry, 333
MORTON, F., Coal, Petroleum and their Newer Derivatives, 289

NISSAN, A. H., Colloidal Chemistry of Drilling Muds, 285, 328
NOLAN, W. J., Petroleum Fuels and Agriculture, 355

PARKER, J. S., The Production of Petroleum in Great Britain, 129
——, The Quality of British Petroleum, 265
——, The Refining of British Petroleum, 293
PINFOLD, E. S., The Oilfields of North-West India, 281

QUAYLE, J. C., Electrical Oils and Their Substitutes, 139

RICHARDSON, G., Fuel and Power, 241
RUSSELL, R. P., Organization of Industrial Research, 209
——, Plastics and Resins from Petroleum, 222

SAMUELS, C. A., Tanker Routeing and Operation, 256
SELL, G., United Kingdom Petroleum Trade in 1946, 113
——, U.K. Petroleum Trade in First Half of 1947, 302
——, Why the "Walking Beam" and the "Bull Wheel", 359
SOUTHALL, R. B., The I.L.O. Petroleum Committee, 381

THOMPSON, A. BEEBY, Memories of the Baku Oilfields in 1900, 345

"YIMKIM", This Oil Business, 377

AUTHOR INDEX

AGNEW, SIR ANDREW, A Message, 1
AULD, S. J. M., Some American Thoughts on To-morrow's Oil, 97

BAILEY, T. C., Fuel Oil in the Steel Industry, 269
BARRY, H. E., Taxation of Light Hydrocarbon Oils other than Motor Fuel, 316
BISKE, V., Acid Sludge Disposal, 175
BLACK, J. L., Isomerization, 323
BRESSEY, R. J. *See* HUDSON, N. L.
BREWER, C. D., The Engine Testing of Lubricants, 3
BROWN, N. F., Evaluation of Factors Governing the Choice of Production Equipment, 320
BRUMMAGE, K. G., COOKE, P. W., and GORDON, R. R., New Physical Methods in the Petroleum Industry, 33, 65

CADMAN, W. H., Oil Shale Exploration for the Production of Oil, 365
CAWLEY, C. M., Eleventh International Congress of Pure and Applied Chemistry, 263
CHISHOLM, A. H. T., Public Relations and the Petroleum Industry, 156
COOKE, P. W. *See* BRUMMAGE, K. G.
CRAXFORD, S. R., Recent Developments in the Fischer-Tropsch Process, 186

EGLOFF, G., Petroleum as a Chemical Industry, 16, 54

FELLOWES, W. H., Taxation of the Profits of the Oil Industry, 109

GALL, D., The Characteristics of Fischer-Tropsch Waxes, 336
GARNER, F. H., The I.P. Review, 1
GIBSON, H. S., Natural Gas from the Middle East, 386
GORDON, R. R. *See* BRUMMAGE, K. G.

HARFORD, L. W., The German Oil Industry, 147, 181
HOPE, A. E., Developments in Automotive Lubricants, 166
HUDSON, N. L. and BRESSEY, R. J., Fuel Oil Developments in the U.K., 161
HUMPHREYS, H. S., Recent Developments in Marine Propulsion, 49
HUNT, K. C., Lubrication and the Motor Car, 84

IVANOVSZKY, L., A B.I.O.S. Trip to Germany, 1946, 77

JACKSON, J. S., Is Standardization Being Overdone? 313

MACLEAN, A. D., Electrical Practice in the Oil Industry, 333
MORTON, F., Coal, Petroleum and their Newer Derivatives, 289

NISSAN, A. H., Colloidal Chemistry of Drilling Muds, 285, 328
NOLAN, W. J., Petroleum Fuels and Agriculture, 355

PARKER, J. S., The Production of Petroleum in Great Britain, 129
——, The Quality of British Petroleum, 265
——, The Refining of British Petroleum, 293
PINFOLD, E. S., The Oilfields of North-West India, 281

QUAYLE, J. C., Electrical Oils and Their Substitutes, 139

RICHARDSON, G., Fuel and Power, 241
RUSSELL, R. P., Organization of Industrial Research, 209
——, Plastics and Resins from Petroleum, 222

SAMUELS, C. A., Tanker Routeing and Operation, 256
SELL, G., United Kingdom Petroleum Trade in 1946, 113
——, U.K. Petroleum Trade in First Half of 1947, 302
——, Why the "Walking Beam" and the "Bull Wheel", 359
SOUTHALL, R. B., The I.L.O. Petroleum Committee, 381

THOMPSON, A. BEEBY, Memories of the Baku Oilfields in 1900, 345

"YIMKIM", This Oil Business, 377

SUBJECT INDEX

A-resin, 230
A.S.T.M. Standards, Index to, 276
Acid sludge:
  analysis, 179
  disposal, 175
Agriculture, petroleum fuels, 164, 355
Alkathene, 225
Alkylation process, products, 20
Atomic energy, uranium from oil shale, 367
Austria, Zistersdorf oilfields, 362
Australia:
  oil search, 56, 259
  oil shale, 371

B.I.O.S.-F.I.A.T., organization, 78
Baku oilfields in 1900, 345
Bituminous sand, separation, 307
British electrode classification, 308
British Guiana, oil search, 390
British oil men, American awards, 57, 208
Buna "S" rubber, 22
Burners, fuel oil, 162
Butadiene, separation, 54
Butyl rubber, 22
Butylene, plastics from, 227
*iso*Butylene polymers, electrical oils, 144

Cable, insulated, 139
Cable oils, "cheese" deposits, 141
Cable wax, 141
Cadman Medal award, 60
Cadman Memorial Lecture, 147, 218, 232
Canada:
  bituminous sand separation, 307
  oil shale, 371
  tax depletion allowances, 236
Capacitors, oil-filled tank type, 140
Carbon black, U.S. production, 259
Caribbean, British oil equipment, 173
Carthage-Hydrocol synthesis, 103
Castor oil, electrical oils, 143
Catalysts:
  consumption in U.S.A., 22
  nickel, 335
Chemical Society Centenary, 146
Chemicals from petroleum, 16, 54
  Shell Petroleum Co.'s plant, 121
  U.S.A. production, 108
Clothing from petroleum, 54
Coal:
  carbonization, chemicals from, 55
Coal and petroleum derivatives, symposium 136, 289
Corrosion protection, organic coatings, 336
Council commentary, 13, 61, 92, 118, 146, 174, 207, 262, 326, 354, 384
Council of British Manufacturers of Petroleum Equipment, 173, 275
Cracking:
  Cycloversion process, 19
  Fluid flow process, 16
  moving bed process, 18
  static bed process, 19
  suspensoid process, 19
  Thermofor catalytic process, 18
Crude oil, chemical constitution, 335
Cyclic compounds, plastics from, 228
Cycloversion cracking process, 19

D.D.T., from petroleum, 25
Darex, 229
Diphenyl, chlorinated, electrical oils, 142
Drilling mud:
  colloidal chemistry, 285, 328
  functions of, 285
Drilling rig, percussion, nomenclature, 359
Dunstan, Dr A. E., retirement, 62

Electrical oils, additives, 142
Electrical oils and substitutes, 139
Electrical practice in oil industry, 333
Empire Mining and Metallurgical Congress, 300
Engines:
  diesel, marine, 50
  internal-combustion, lubrication, 84
  marine, 49
  oil distribution, 3
  performance, mechanical factors, 5
  steam reciprocating, 49
  turbines, steam, 50
Esso Magazine, 108
Estonia, oil shale, 369
Ethylene, plastics from, 225
Ethylene polymers, electrical oils, 144
Evans, E. A., president-designate, 353
Explosion Hazards, 339

Fatty acids, products, 83
Fires, oil:
  causes, 377
  foam production, 395
  symposium, 27
Filter, band, 83
Fire Protection Association, 339
Fischer-Tropsch process, 24
  developments, 186
  diesel fuels, 56
  lubricants, 56
  research, 336
  wax treatment, 83
  waxes, characteristics, 336
Food from petroleum, 54
"Fourble" board, 393
France, oil shale, 369
Frederking heat exchangers, 82
Fuel and the Future Conference, 394
Fuel economy conference, 136
Fuel oil:
  agriculture, 163, 355
  developments in Great Britain, 161
  domestic heating, 245

Fuel oil (*contd.*):
industrial, 248
marine, 164
power generation, 252
railways, 106, 164, 251
rolling mill furnaces, 269
sheet annealing furnace, 270
steam raising, 162, 248
steel manufacture, 163, 269
terne pots, 273
Fuels, gas turbine, 22

Garner, Prof. F. H., Medal of Freedom award, 208
Gas oil, gas enrichment, 165, 252
Gas turbines:
fuels, 22, 107
marine, 51
Gasoline, aviation, from alkylation, 20
Germany:
a B.I.O.S. trip to, 77
administration, 184
bombing of oil targets, 153
C.I.O.S. investigations, 181
oil shale, 370
oilfields, 182
Petroleum and Synthetic Oil Industry, Report on, 385
petroleum consumption, 153
petroleum industry, 147, 181
petroleum production, 150, 183
publications, 82
refineries, 183
refinery operations, 148
survey of scientific manpower, 390
synthetic oil production, 150
technical developments, 82
war reserve oil stocks, 152
Gibson, H. S., Redwood Medal award, 208
Great Britain:
carbon black supplies, 362
coal-oil conversion, 362, 393
fuel oil developments, 161
Heysham refinery, 392
locomotives, oil-burning, 393
oil and the fuel problem, 241
oil gas subsidy, 362
oil shale, 368
petrol imports, 392
petrol output, 393
petrol purchases, 362
petroleum consumption, 124, 292, 392
petroleum equipment manufacture, 275
Petroleum in England, 339
petroleum production, 58, 129, 255
petroleum quality, 265
petroleum refining, 293, 380
petroleum trade, 113, 302
services oil consumption, 392
shale oil industry, 58
Shell chemical plant, 121
tax law, depletion in, 111
taxation of light oils, 316

Holland, Sir Thomas H., 138, 220
Hungary, petroleum and gas industry, 322
Hydraulic oils, 336
Hydrocarbons:
olefin, polymerization, 335
standard samples, 262
Hydrogen sulphide, thermodynamics, 335
Hydrolube oils, 336

I.P. Review, The, 1
India:
North-West, oilfields, 281
petroleum production, 261
Indian Minerals, 261
Institute of Petroleum:
dinner in honour of R. P. Russell, 193
Its Development and Functions, 338
officers elected, 123
Institute, the: ordinary member and, 321
Instruments and Measurements Conference, 259
International Congress of Pure and Applied Chemistry, 145, 263
International Geological Congress, 116
International Labour Organization Petroleum Committee, 381
Iran, petroleum production, 322, 393
Iraq:
King Feisal studies oil, 32
refinery engineer, 207
Isomerization, 323
Insulating oil, 140

Jackson, J. S., retirement, 363
Japan, industrial statistics, 308
Journal of the Institute of the Motor Industry, 235

Kerosine:
gas turbine fuel, 22
tractor fuel, 356
Kuwait, oilfield, 28

Liquid Fuel Installations Committee, 275
Locomotives:
diesel-electric, 106
fuel oil in, 164, 251
Lubrication:
automobile chassis, 90
automobile transmission, 90
electron diffraction application, 66
internal combustion engine, 84
research, 335
Lubricants:
engine testing, 3
motor, developments, 166
motor, testing, 167
test engine selection, 6
Ucon, 336
world position, 105

Manchuria,
oil shale, 371
Mellon Institute research, 335
Mexico, petroleum production, 288
Middle East:
crude oil production, 100

natural gas, 386
P.R.C. pipeline, 100
trans-Arabian pipeline, 363

Natural gas:
Middle East, transport and use, 386
synthesis gas from, 103
New Guinea, oil search, 259
Northern Branch:
dinner dance, 117
officers, 261
Nuclear energy, marine uses, 51

Oil shale:
exploration, 365
treatment, 104
treatment in U.S.A., 25
uranium extraction, 367
Outside Chance, The, 236

Palestine, oil prospects, 389
Petrolatum, fractionation, 336
Plastics, from petroleum, 222
Pliolite -S, 229
Poland, first tankers, 325
Polystyrene, 225
Polythene, 225
Production equipment, choice of, 320
Propylene, plastics from, 226
Public relations, 156

Redwood Medal award, 208
Refining, control instruments, 372
Research, 361
Research:
industrial, organization, 209
petroleum industry, 26, 55
Resins, from petroleum, 222
Reviews of Petroleum Technology, 319
Roumania: oil company employees, 362
petroleum production, 138
Rubber, synthetic, manufacture, 22

Saran, 225
Scottish Branch, visit to Comrie Colliery, 292
Shell Petroleum Co. Ltd., Thornton chemical plant, 121
South Africa, oil shale, 371
South Wales Branch, 390
Spectroscopy:
electron diffraction, 65
infra-red analysis, 39
mass spectrometer, 47
Raman method, 43
ultra-violet absorption analysis, 36
uses in petroleum industry, 33, 54, 65
X-ray diffraction, 71
Standardization, is it being overdone?, 313
Stanlow Branch, 394
Stylene, 229
Styraloy, 229
Sumatra, Palembang refinery, 394
Suspensoid cracking process, 19
Sweden, oil shale, 369
Switchgear, oil-immersed, 139
Synthesis:
Carthage-Hydrocol process, 103
catalyst research, 307
electric discharge, 56
see also Fischer-Tropsch process
Synthesis gas, from natural gas, 103

Tankers:
Karpaty, 325
Polish, 325
routeing and operation, 256
Turnia, 325
Taxation:
depletion allowances, 109, 236
oil industry profits, 109
Thermofor catalytic cracking process, 18
Thiokol rubber, 22
Toluene, from petroleum, 24
Tractors, agricultural, 355
Transformers, oil insulation, 139
Trinidad:
petroleum industry, 338
presentation to St. Christopher's Church, 138
Trinidad Branch, dinner, 305

U.S.S.R.:
Baku oilfields in 1900
oil shale, 370
Ucon lubricants, 336
United States:
carbon black industry, 259
coal quality, 276
continental shelf well, 57
diesel-electric locomotives, 106
lubricant developments, 105
motor fuel position, 107
oil shale, 104, 371
petroleum chemicals, 108
petroleum industry, 27, 97
petroleum production, 308
petroleum substitutes, 105
petroleum utilization, 105
synthetic oil sources, 102
tax law, depletion in, 110
Uranium, from oil shale, 367

Wax:
Fischer-Tropsch:
characteristics, 336
treatment, 83
montan, extraction, 83
paraffin:
de-oiling, 83
moulding, 83
oppanol addition, 84
research, 335
T.T.H., Paraflow addition, 84
Welding electrode classification, 308
World:
oil map, 276
petroleum production, 98, 207
World Petroleum Congress, 255
World Power Conference, 373